FIG.1

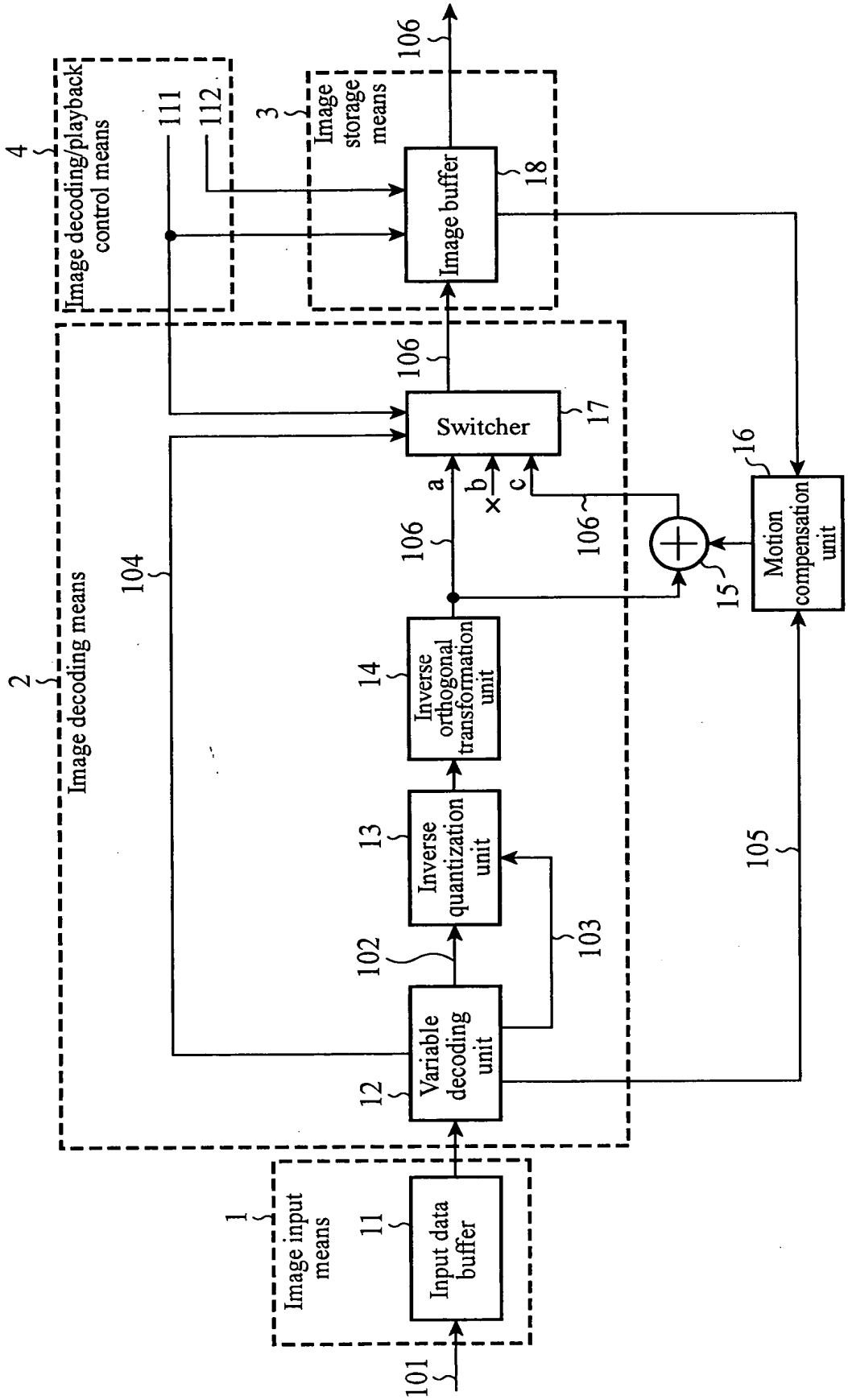


Image input means
1
Input data buffer
11
101
Image decoding means
2
Variable decoding unit
12
Inverse quantization unit
13
Inverse orthogonal transformation unit
14
Motion compensation unit
16
15
Switcher
17
Image buffer
18
Image storage means
3
Image decoding/playback control means
4
111
112
102
103
104
105
106
a
b
c
x

FIG.2

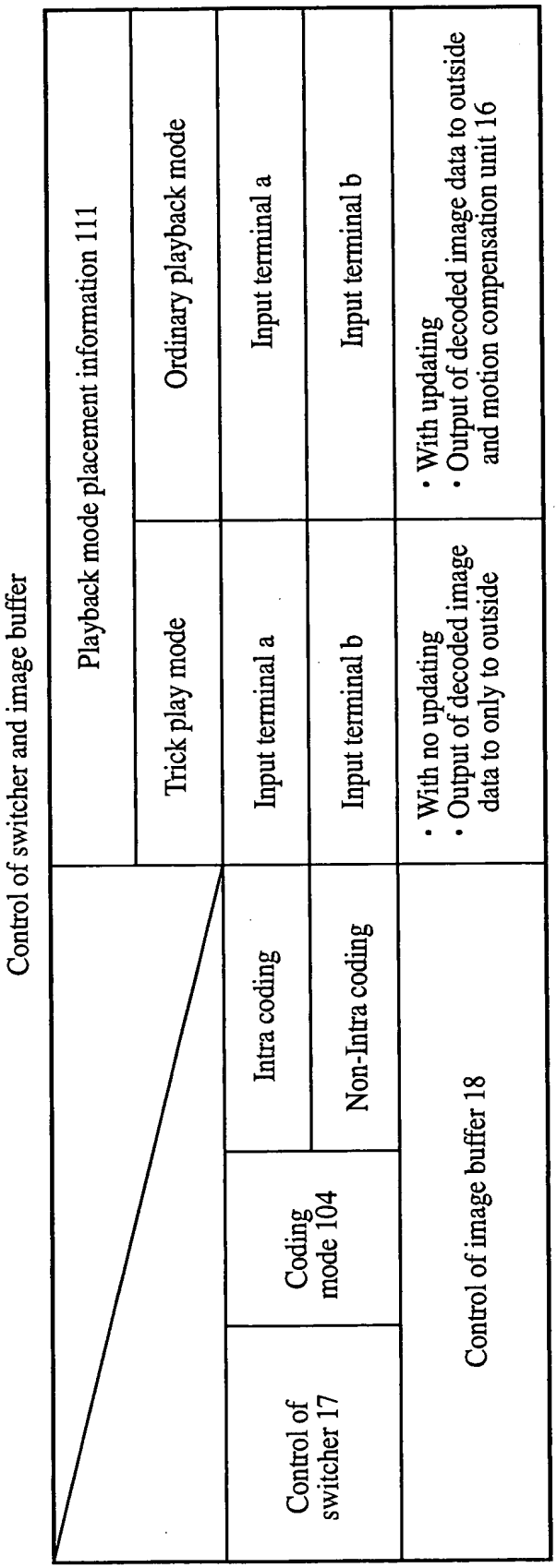

Control of switcher and image buffer
Playback mode placement information 111
Ordinary playback mode
Trick play mode
Input terminal a
Input terminal b
Input terminal a
Input terminal b
• With updating
• Output of decoded image data to outside and motion compensation unit 16
• With no updating
• Output of decoded image data to only to outside
Intra coding
Non-Intra coding
Coding mode 104
Control of switcher 17
Control of image buffer 18

FIG.3

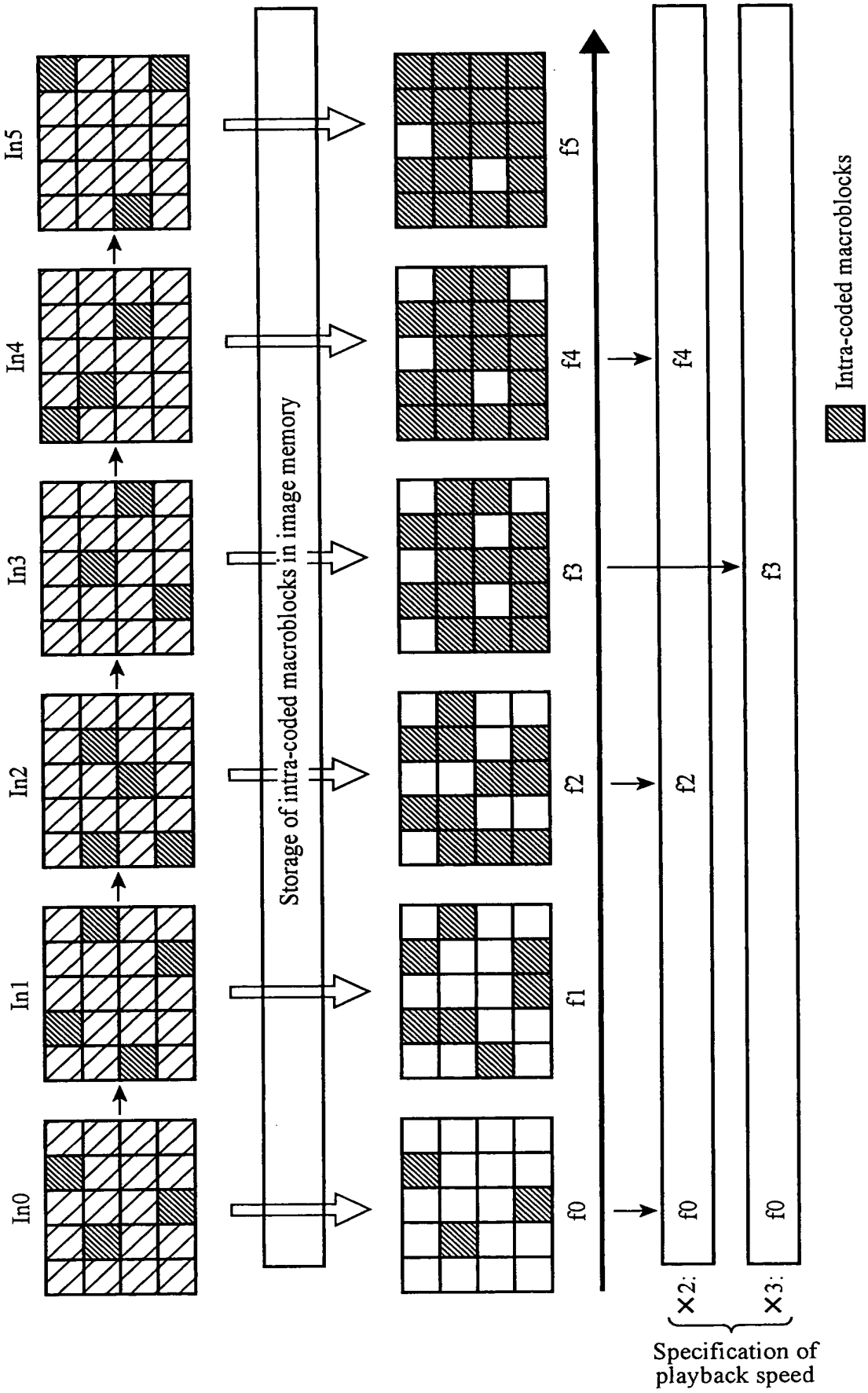

In0
In1
In2
In3
In4
In5
Storage of intra-coded macroblocks in image memory
f0
f1
f2
f3
f4
f5
f0
f2
f4
f0
f3
Intra-coded macroblocks
×2
×3
Specification of playback speed

FIG.4

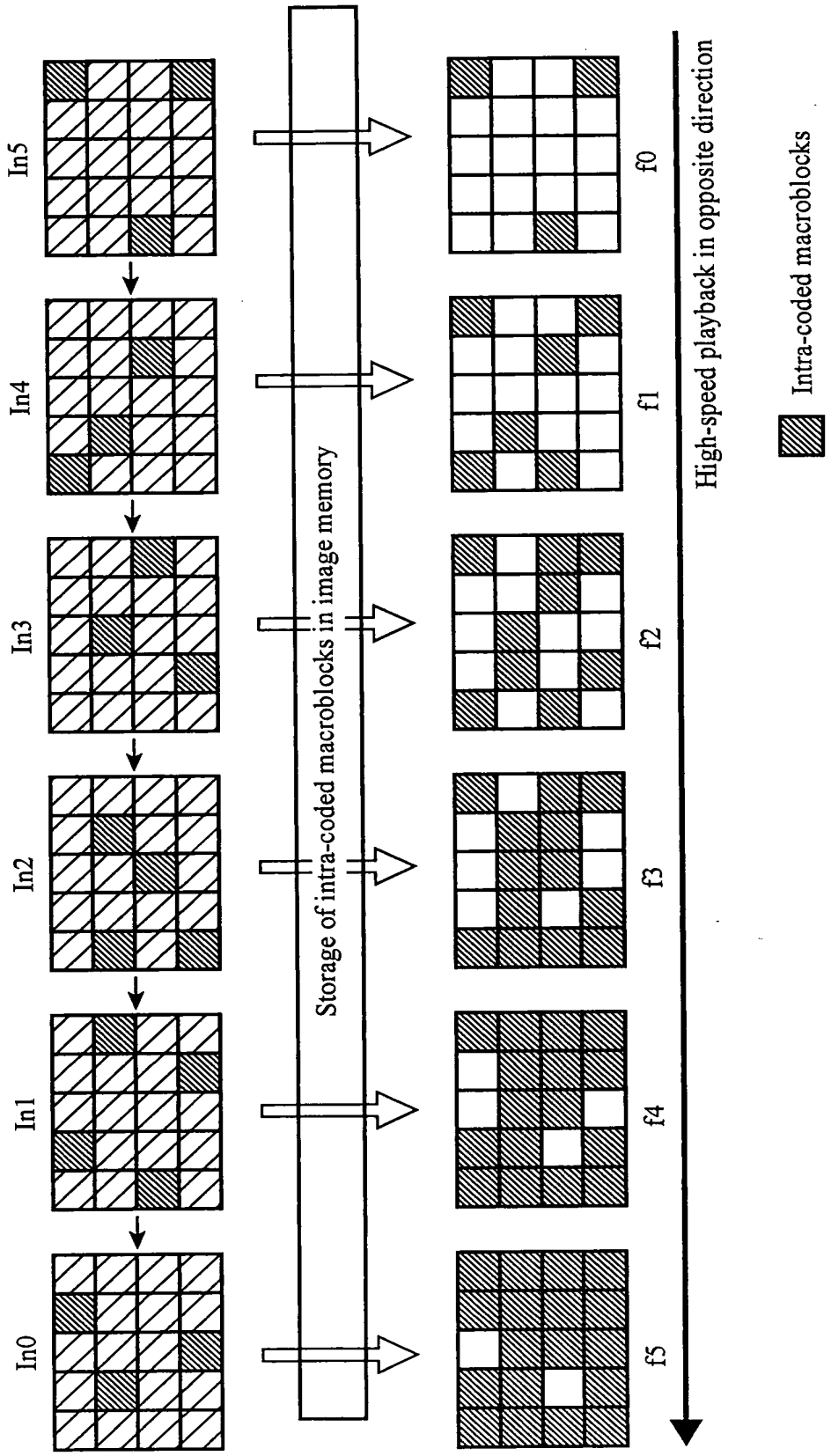

In5
In4
In3
In2
In1
In0
Storage of intra-coded macroblocks in image memory
f0
f1
f2
f3
f4
f5
High-speed playback in opposite direction
Intra-coded macroblocks

FIG.5

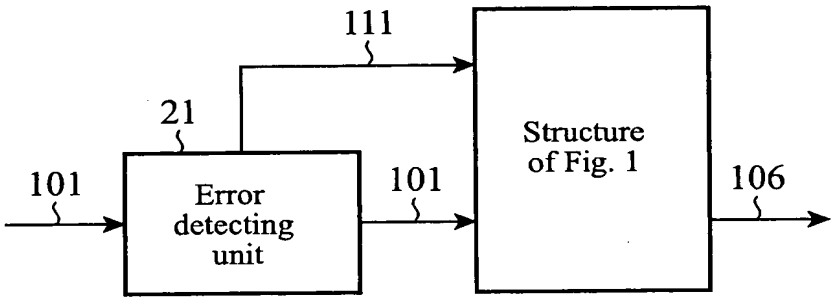
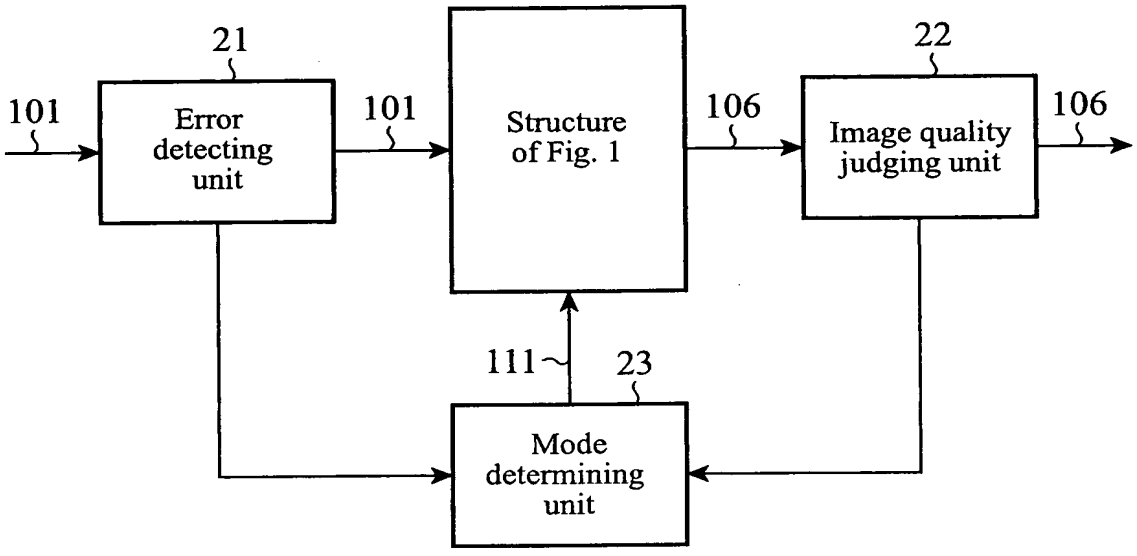

111
21
101
Error detecting unit
101
Structure of Fig. 1
106

FIG.6


21
101
Error detecting unit
101
Structure of Fig. 1
106
22
Image quality judging unit
106
111
23
Mode determining unit